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16 SEP 1959

MEMORANDUM FOR: Director, Photographic Intelligence Center

SUBJECT: Lampshire Committee Meeting

1. The Lampshire Committee met the afternoon of 14 September and the following subjects were discussed:

a. Raymo-Wooldridge with Rome Air Development Center have developed their corollation technique to a certain degree of success. Basically, the technique is an inverse-loran called sig-lock. The Signal Corps has also been working with this device at White Sands and they have achieved ranges of between 150 and 200 miles to date. Line of sight has offered no problems but for distances greater than line of sight, the ionosphere bounce which results in multiple sky waves gives trouble. The accuracy thus far achieved has been $1\frac{1}{2}$ and 2° which means that for the greatest line of sight distance (300 miles) an over-all error of plus or minus 10 miles. For distances greater than line of sight two problems probably exist, one being operator trouble in trying to match the sky waves with the slave sky waves and the other being that with a distance of 1200 miles an over-all error of 40 miles could be experienced.

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3. [] of OSI requested permission to send a representative with Mr. Lundahl to the next 117L meeting due to the fact that 4 of the 7 topics to be discussed will deal with Elint. [] is rather unhappy with the 117L Elint program since it only gives a broad over-all picture of the distribution of electronic signals rather than both accurate positioning and analysis of the signals.

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